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DERWENT
RURAL DISTRICT COUNCIL



ANNUAL REPORT

OF THE

Medical Officer of Health

For the Year 1951

SELBY:
E. M. RIMMINGTON & CO., FINKLE STREET

1952



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To the Chairman and Members of the Derwent
Rural District Council.

I have pleasure in submitting my report
upon the health and sanitary condition of the
Rural District for the year 1951.

W. Bertram Hill.

DERWENT RURAL DISTRICT COUNCIL.

Chairman: Councillor G. A. Horsfield, J.P.

Vice-Chairman: Councillor A. Waudby.

HOUSING AND PUBLIC HEALTH COMMITTEE.

Chairman: Councillor H. W. Brown, J.P., C.C.

Vice-Chairman: Councillor F. Bass.

Sanitary Inspector:

GEORGE CHARNLEY,

Cert. S.I. Board,

Cert. Meat and Food Inspection R.S.I.

Medical Officer of Health:

W. BERTRAM HILL, M.D., Ch.B., D.P.H.

SERVICES ADMINISTERED BY THE COUNTY COUNCIL WITHIN THE RURAL DISTRICT.

Infant Welfare Centres:

Barlby—Wednesdays fortnightly, 2 p.m.

Dunnington—Wednesdays monthly, 2 p.m.

Elvington—Mondays monthly, 2 p.m.

Fulford—Tuesdays weekly, 2 p.m.

Riccall and Riccall R.A.F.—Thursdays monthly, 2 p.m.

Domicilian Nursing and Midwifery Staff:

Nurse E. Seal, 30 Turnhead Crescent, Barlby.

Nurse D. Holden, 6 Council Houses, Skipwith.

Nurse M. Massam, Main Street, Escrick.

Nurse H. Watson, 31 The Crescent, Heslington.

Health Visitor/School Nurse/Tuberculosis Visitor:

Miss M. G. Taylor, 23 Eastward Avenue, Fulford.

School Nurse:

Mrs. G. Boyes, Thixendale,

VITAL STATISTICS.

Population—13,040 (Mid-year, 1951).

	Derwent Rural District	England and Wales
Death Rate	10.8 per 1,000	12.5
Birth Rate	14.8	15.5
Infantile Mortality Rate	41.2	29.6
(i.e., Deaths under 1 year per 1,000 Births)		
Pulmonary Tuberculosis	.07	
Non-Pulmonary Tuberculosis	.00	
Cancer Death Rate	1.5	
Respiratory Death Rate	1.5	
Zymotic Death Rate	.07	
Acute Poliomyelitis	.00	.00
(including Poliomyelitis)		
Still Birth Rate	.15	.36
Diarrhœa	.00	1.4
(Deaths in infants under 2 years of age per 1,000 live births).		

MATERNAL MORTALITY IN ENGLAND AND WALES.

	No. of Deaths	Rate per 1000 Live and Still Births	Derwent R.D.
Sepsis of pregnancy, childbirth and the puerperium	70	.10	
Abortion with toxæmia	3	.00	
Other toxæmia of pregnancy and the puerperium	167	.24	
Hæmorrhage of pregnancy and childbirth	91	.13	
Abortion without mention of sepsis or toxæmia	37	.05	
Abortion with Sepsis	66	.09	
Other complications of pregnancy, childbirth and the puerperium	125	.18	5.1 (1 death)

INFECTIOUS DISEASE.

Average No. of cases for 5 yrs.	Diphtheria	Scarlet Fever	Erysipelas	Cerebro-Spinal Fever	Polio- myelitis
1934-1938	8	17	2.7	.5	
1939-1943	8.2	18.6	2.4	.8	
1944-1948	1.8	19.2	2.4	.4	.8
1950	—	24	4	1	1
1951	—	7	1	—	1

Measles.—278 cases were notified: there were no deaths.

Whooping Cough.—38 cases were notified: there were no deaths.

DEATHS FROM SEVERAL CAUSES
in the Derwent Rural District during the year 1951.

	Male	Female
1. Tuberculosis of Respiratory System	—	1
2. Tuberculosis—Other	—	—
3. Syphilitic Disease	—	1
4. Diphtheria	—	—
5. Whooping Cough	—	—
6. Meningococcal Infection	1	—
7. Acute Poliomyelitis	—	—
8. Measles	—	—
9. Other Infective and Parasitic Diseases	—	—
10. Malignant Neoplasm—Stomach	1	1
11. Malignant Neoplasm—Lung, Bronchus	3	0
12. Malignant Neoplasm—Breast	—	3
13. Malignant Neoplasm—Uterus	—	1
14. Other Malignant and Lymphatic Neoplasm	6	5
15. Leukæmia	—	2
16. Diabetes	—	—
17. Vascular Lesions of Nervous System	6	9
18. Coronary Disease—Angina	11	6
19. Hypertension with Heart Disease	3	4
20. Other Heart Diseases	10	15
21. Other Circulatory Diseases	0	4
22. Influenza	2	0
23. Pneumonia	6	0
24. Bronchitis	8	4
25. Other Diseases of Respiratory System	—	2
26. Ulcer—Stomach and Duodenum	—	—
27. Gastritis, Enteritis, Diarrhoea	1	—
28. Nephritis and Nephrosis	1	—
29. Hyperplasia of Prostate	2	—
30. Pregnancy, Childbirth, Abortion	—	1
31. Congenital Malformation	1	1
32. Other defined and ill-defined diseases	4	9
33. Motor vehicle accidents	—	—
34. All other accidents	5	—
35. Suicide	2	—
36. Homicide and Operations of War	—	—
All Causes	73	69

Population—13,040.

				Male	Female
Live Births.—Legitimate	....	....	....	102	85
Illegitimate	....	....	....	5	2
Total	....	....	....	107	87
Still Births.—Legitimate	....	....	....	2	—
Illegitimate	....	....	....	—	—
Total	....	....	....	2	—
Deaths of Infants under 1 year of age:					
Legitimate	....	....	....	5	2
Illegitimate	....	....	....	1	—
Total	....	....	....	6	2

Comparability Factor.—(Births) 1.05; Deaths .94.

In order that the death rate and birth rate as calculated locally may be compared with that of the Country as a whole, the Registrar General has supplied a comparability figure, viz., .94 (Deaths) and 1.05 (Births).

The death rate becomes $10.8 \times .94$, which furnishes a rate of 10.1 per 1,000 population.

The birth rate becomes 14.8×1.05 , which furnishes a rate of 15.5 per 1,000 population.

TUBERCULOSIS.

Average Notifications in				Pulmonary	Non-Pulmonary
1934—1938	....	....	....	9	3.7
1939—1943	....	....	....	6.2	3.8
1944—1948	....	....	....	8	3.4
1950	....	....	....	11	2
1951	....	....	....	9	2

At the close of the year there were known to be inr the District:

Cases of Pulmonary Tuberculosis 34 males 29 females
 Cases of Non-Pulmonary Tuberculosis 12 males 11 females

CASE RATE PER 1,000 LIVING OF ACUTE INFECTIOUS DISEASE.

			England and Wales	Derwent Rural District
Typhoid Fever	....	....	.00	.00
Para Typhoid Fever	....	....	.02	.00
Cerebro Spinal Fever	....	....	.03	.00
Scarlet Fever	....	....	1.11	.53
Whooping Cough	....	....	3.87	2.9
Diphtheria	....	....	.02	.00
Erysipelas	....	....	.14	.07
Small Pox	....	....	.00	.00
Measles	....	....	14.07	21.3
Acute Poliomyelitis (including Polioencephalitis)				
Paralytic	....	....	.03	.07
Non-Paralytic	....	....	.02	.00
Pneumonia	....	....	.99	.76
*Puerperal Fever	}	....	10.66	.00
Puerperal Pyrexia		....		
Food Poisoning	....	....	.13	.00

* Per 1,000 total live and still births.

VACCINATION AND IMMUNISATION AGAINST DIPHTHERIA, 1951.

(a) Number of persons vaccinated or revaccinated during the year 1951:—

Age at date of Vaccination	Under 1	1 year	2 to 4	5 to 14	15 or over	Totals
Number vaccinated	95	—	3	7	6	111
Number re-vaccinated	—	1	4	1	42	48

(b) Number of children at 31st December, 1951, who had completed a course of immunisation at any time before that date (i.e., at any time since 1st Jan, 1937):—

Age at 31.12.51 i.e., Born in Year	Under 1 1951	1 1950	2 1949	3 1948	4 1947	5 to 9 1942-46	10 to 14 1937-41	Total under 15
Number Immunised	15	106	120	142	125	698	755	1961

(c) Number of children immunised during the year ended 31st December, 1951:—
(Figures also included in (b) above).

Under 5	5 to 14	Total	Boosters
158	1	159	32

REPORT OF SANITARY INSPECTOR.

Water Supply.

The total consumption of water from the Council's mains during the year was 118 million gallons.

Approximately 86 million gallons were purchased from Selby U.D.C. and the remainder from York Waterworks Co. Routine samples from various points of the area were submitted for bacteriological examination, and all gave satisfactory results.

A private supply feeds 40 houses in the village of Escrick, and this also was satisfactory.

All these supplies are chlorinated.

Six private well supplies have been examined and four of these were found to be unsatisfactory. Three of the properties will be served by the mains under the new extension scheme, and in the fourth case, improvements to the well have been carried out by the owner.

The extension of the Council's water mains was commenced in June and has progressed satisfactorily; the laying of the mains should be completed by the end of May, 1952, and the 180,000 gallons reservoir at Stillingfleet Hill should be ready in August.

The scheme, in addition to supplying further portions of the District, links up the York and Selby supplies at three points, thus ensuring a reasonable pressure of supply in all parts. Considerable improvement has been shown on the portions completed to date, and when all the mains and the reservoir have been completed, comparatively few properties will be beyond a reasonable distance from a satisfactory supply.

Details of the Water Supply of each Parish in the Rural Area

PARISH	No. of Houses	Cat. 1 No. of Houses supplied direct from public main	Cat. 2 No. of Houses supplied from stand-pipes	Cat. 3 No. of Houses supplied from other private sources	Population figures for respective categories		
					Cat. 1	Cat. 2	Cat. 3
Barlby	878	859	14	Nil	2164	51	Nil
Cliffe	242	210	10	Nil	733	36	Nil
Deighton	52	38	Nil	Nil	167	Nil	Nil
Dunnington	311	229	22	Nil	692	78	Nil
Elvington	131	106	9	Nil	335	33	Nil
Escrick	146	56	Nil	69	232	Nil	255
Hemingbrough	200	163	7	Nil	546	26	Nil
Kelfield	96	83	6	Nil	276	22	Nil
Kexby	48	29	Nil	Nil	101	Nil	Nil
Naburn	128	81	6	Nil	363	23	Nil
North Duffield	111	73	10	Nil	255	35	Nil
Riccall	254	229	15	Nil	707	53	Nil
Skipwith	60	40	4	Nil	165	15	Nil
Stillingfleet	89	61	2	Nil	191	11	Nil
Thorganby	86	67	12	Nil	309	42	Nil
Wheldrake	140	107	16	Nil	365	57	Nil
Totals	2972	2431	133	69	7601	482	255
Fulford	431	} York Waterworks.					
Heslington	208						
Total Houses	3611						

Refuse Disposal.

The Council's scavenging scheme, serving all parishes and excluding only the isolated properties, has been satisfactorily maintained. The main refuse disposal point is the Tip, Crockey Hill, which has a capacity of rather more than one year's usage. Some dry refuse is deposited on a private tip at Turnhead Farm, Barlby.

In conjunction with the Parish Councils, small tips have been closed in the Cliffe and Hemingbrough area; these have been used by local residents for some years, and not by the District Council.

The possibility of obtaining a suitable tip in the Southern portion of the area is being investigated, as this would considerably reduce the mileage covered by the collection vehicles.

The two vehicles (1946 Karrier Bantams with 7 cubic yards capacity—mileage 70-80,000) are being subjected to much heavier loads than was ever contemplated by the manufacturers. (This is due to some extent that in the past 6 years nearly 370 houses have been erected, and a large number of existing properties which were not in the scavenging scheme in 1946 are now regularly visited). The condition of both vehicles is most rapidly deteriorating. It is considered that the purchase of at least one new vehicle with a larger capacity is something that will have to be faced in the very near future.

Sewage Disposal.

The provision of piped water supplies, together with the erection of new houses, has, in the past years, steadily increased the amount of sewage being discharged from the various villages in the area. Only in the village of Barlby, however, has a main sewage scheme been carried out; the remainder depend upon open ditches, culverts, and crude settlement tanks, and none can be considered satisfactory.

The village of Elvington is the one most urgently requiring a sewerage scheme, and the matter is being negotiated with the appropriate Government Department. It is considered that every effort should be made by the Council to obtain early approval.

Frequent and numerous complaints are received about the conditions at Dunnington and it is felt that a suitable sewage disposal scheme for the village should be considered at an early date.

In the Parishes of Heslington and Fulford, considerable annoyance to residents, and expense to the Council, is caused by cesspools in the Mill Lane and Hull Road area of Heslington, and Fordlands Road, Fulford. The proposed sewer in Mill Lane, Heslington, which is likely to be installed during 1952, will solve the problem in that area. There will remain, however, 27 houses in Fordlands Road, Fulford, each with a septic tank. The Council's cesspool emptying vehicle will continue to carry out the cleansing of these tanks (in some cases as frequently as every 10 days) but this should only be looked upon as an interim measure, and the provision of a main sewer should be given early consideration. This would connect up with the disposal system of both the old and the new Council House estates in Fordlands Road, and could be installed as the first stage in the Fulford and Heslington joint sewerage scheme.

Milk and Dairies.

Regular visits have been made to milk retail dairies in the district and conditions have been found satisfactory.

The following milk samples have been submitted to the Public Health Laboratory:—

			Methylene Blue		Phosphatase	
			S	U/S	S	U/S
Raw Milk	....	....	1			
Pasteurised Milk	....		2		2	

Food Premises.

The general standard of cleanliness in the various premises preparing and selling food has been found to be satisfactory, and any criticism of methods, etc., have been readily accepted, and suggestions adopted.

Ice cream manufacture in the area has been satisfactory.

The following foodstuffs were condemned as unfit for human consumption:—

- 31 lbs. Cooked Ham (Canned)
- 6 lbs. Salmon (Canned)
- 4 lbs. Luncheon Meat (Canned)

The Byelaws dealing with the handling and distribution of food (made under section 15 of the Food and Drugs Act, 1938) are now in force.

A notice requesting the public to refrain from taking dogs on to premises upon which food is prepared and sold has been supplied to all food shops in the District.

Rodent Control.

Routine visits and treatments have been carried out by the Council's Rodent Operative at several business premises in the district, and also at the Council's tips at Barlby and Crockey Hill. Treatments have been carried out at Domestic Premises and Farms when requested.

General Housing and Public Health Inspection.

Routine inspection of domestic property is carried out so far as is possible; all complaints have been investigated and appropriate informal action taken. No circumstances have arisen which required submission to the Council for formal action.

Total Inspections for all purposes	487
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Inspections made under the Public Health Act	97
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During the year, further progress was maintained in the Rural Housing Survey, 201 houses being classified. Details are as follows:—

Total number of houses liable for inspection	3319
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Total number inspected and classified as at 31st December, 1951	2386
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Classification:

Cat. 1	Cat. 2	Cat. 3	Cat. 4	Cat. 5
1185	544	478	59	179

Council Houses.

During the year further progress was made in the erection of Council Houses and the position at 31st March, 1952, was as follows:—

	POST WAR				PRE-WAR
	Completed	Under Construction	Tenders let or being invited	Total	
Barlby	54		50	104	52 2 Halfway Houses
Cliffe	5	9		14	24
Dunnington	28			28	16
Elvington	16			16	
Escrick	8			8	
Fulford	32	22	26	80	
Hemingbrough	10			10	14
Heslington	32			32	
Kelfield		12		12	19*
Kexby	8			8	
Naburn	9			9	13
North Duffield	6			6	6*
Riccall	14			14	28
Skipwith	6		2	8	4
Stillingfleet	10			10	6
Thorganby	6			6	
Wheldrake	10	4		14	8*
Total	254	47	78	379	192

* This in each case includes (2) Agricultural Houses built in 1944.

The general repairs to Council property are the responsibility of the Surveyor's Department. There are two plumbers employed, and plumbing repairs are carried out along with duties on Water Supply maintenance. Considerable additional work has occurred on water supply, followning the laying of the new mains, and it is becoming necessary to engage private contractors on plumbing repairs. In other trades, all work is carried out by private contractors,

DERWENT RURAL DISTRICT.

Cases of Infectious Disease notified during the year 1951.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED								CASES REMOVED TO HOSPITAL.	DEATHS
	At all Ages.	According to Age.								
		Under 1	1 to 4	5 to 14	15 to 24	25 to 44	45 to 64	Over 65		
Small-pox	...	...	...	...	...	...	...	...	...	...
Cholera (C) Plague (P)	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous Croup)	...	...	...	...	...	...	...	...	...	...
Erysipelas	1	...	...	...	...	...	...	1	...	...
Scarlet Fever	1	...	3	4	...	...	...	...	6	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Relapsing Fever (R) Continued Fever (C)	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...
Acute Poliomyelitis, paralytic	1	...	...	1	...	...	...	...	1	...
“ “ non-paralytic	...	...	...	...	...	...	...	...	...	...
Acute Encephalitis	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis	9	...	...	...	6	2	1	...	...	...
Other forms of Tuberculosis	2	...	1	...	...	1	...	...	...	...
Measles	278	13	120	138	4	3	...	...	...	...
Primary Pneumonia	10	...	...	4	...	2	2	2	...	6
Influenzal Pneumonia	...	...	...	...	...	...	...	...	...	...
Whooping Cough	38	2	21	15	...	...	...	...	...	...
Dysentery	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...
Totals	346	15	145	162	10	8	3	3	7	...

